## REMARKS

On October 6, 2005, the applicants' undersigned representative conducted a telephone interview with the Examiner. The applicants agree with the Examiner's summary of the interview as expressed in the Interview Summary provided with the present office action (mailed November 1, 2005) and restate them by reference herein. Furthermore, the applicants have amended claim 8 as agreed in the interview. The applicants would like to thank the Examiner for taking the time to discuss the present application.

Claims 1, 5, 8, 11, 13 and 14 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Needham et al. (U.S. Patent Number 6,188,767, hereinafter "Needham") in view of Li et al. (U.S. Patent Number 6,427,214, hereinafter "Li") and claims 15-21 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Needham in view of Li and Jou (U.S. Patent Number 6,389,000). Respectfully disagreeing with these rejections, reconsideration is requested by the applicants.

Regarding the rejection of independent claims 1, 5, 8, 11, and 13, the Examiner cites Li col. 7, lines 30-34 and asserts that Li "discloses a permuter outputting a plurality of permuted codes." Page 3 of the present office action. Li col. 7, lines 30-35 reads as follows (emphasis added):

> 1. A method of permuting a block of data elements, comprising: partitioning said block into a plurality of co-sets; **permuting each co-set**; and **forming a permuted block by combining elements of said permuted co-sets** in a predetermined order.

Thus, Li discloses a method of permuting a block of data elements that involves permuting subsets of the block and then recombining these permuted subsets. Since the Examiner is asserting that Li discloses a permuter outputting a plurality of permuted codes, the applicants presume that the Examiner is referring to the partitions or "co-sets" of the block as the output of Li's method. However, although these co-sets are permuted, the applicants submit that the individual co-sets still only represent permuted **subsets** of the block of data elements to be permuted, not the permuted block of data

5

elements itself. Li expressly teaches that the permuted block is then formed by combining elements of said permuted co-sets. Therefore, the applicants submit that Li, as cited by the Examiner, at best teaches outputting a plurality of permuted subsets but does not teach or suggest outputting a plurality of permuted blocks.

In contrast, independent claims 1, 5, 8, 11, and 13 each recite permuting a decimated long code to output or produce a **plurality** of permuted **decimated long codes**. That is, permuting X to generate a plurality of permuted Xs. However, Li discloses permuting subsets of X to generate permuted subsets of X, which are combined to form **one** permuted X.
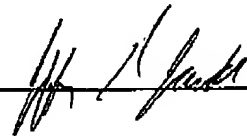
However, desiring to make this point as clear as possible, the applicants have further amended claims 1, 5, 8, 11, and 13 to explicitly recite that each of the plurality of permuted, decimated long codes has a **same length as the decimated long code itself**. Very clearly then, the applicants assert that Li, as cited by the Examiner, does not teach or suggest the outputting or producing of the plurality of permuted, decimated long codes, as claimed.

Since none of the references cited, either independently or in combination, teach all of the limitations of independent claims 1, 5, 8, 11 or 13, or therefore, all the limitations of their respective dependent claims, it is asserted that neither anticipation nor a prima facie case for obviousness has been shown. No remaining grounds for rejection or objection being given, the claims in their present form are asserted to be patentable over the prior art of record and in condition for allowance. Therefore, allowance and issuance of this case is earnestly solicited.

The Examiner is invited to contact the undersigned, if such communication would advance the prosecution of the present application. Lastly, please charge any additional fees (including extension of time fees) or credit overpayment to Deposit Account No. **502117 -- Motorola, Inc.**

6

Respectfully submitted,
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